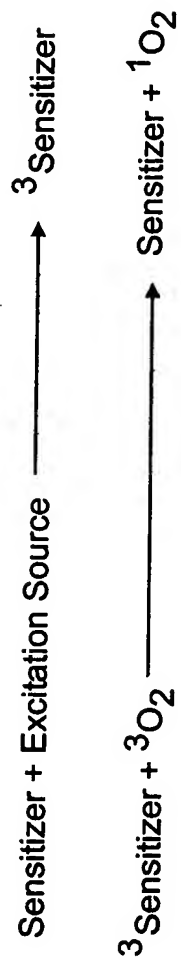


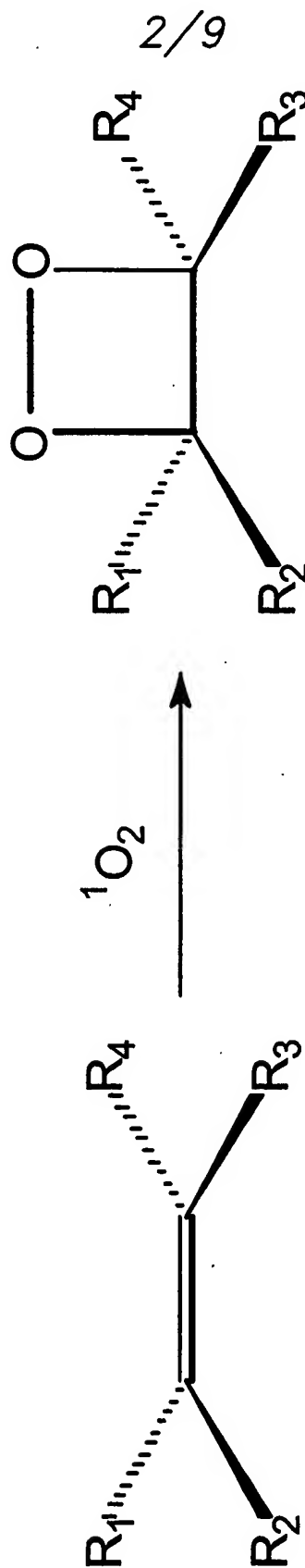
1/9

### Sensitizer-Catalyzed Generation of Singlet Oxygen



**FIG 1**

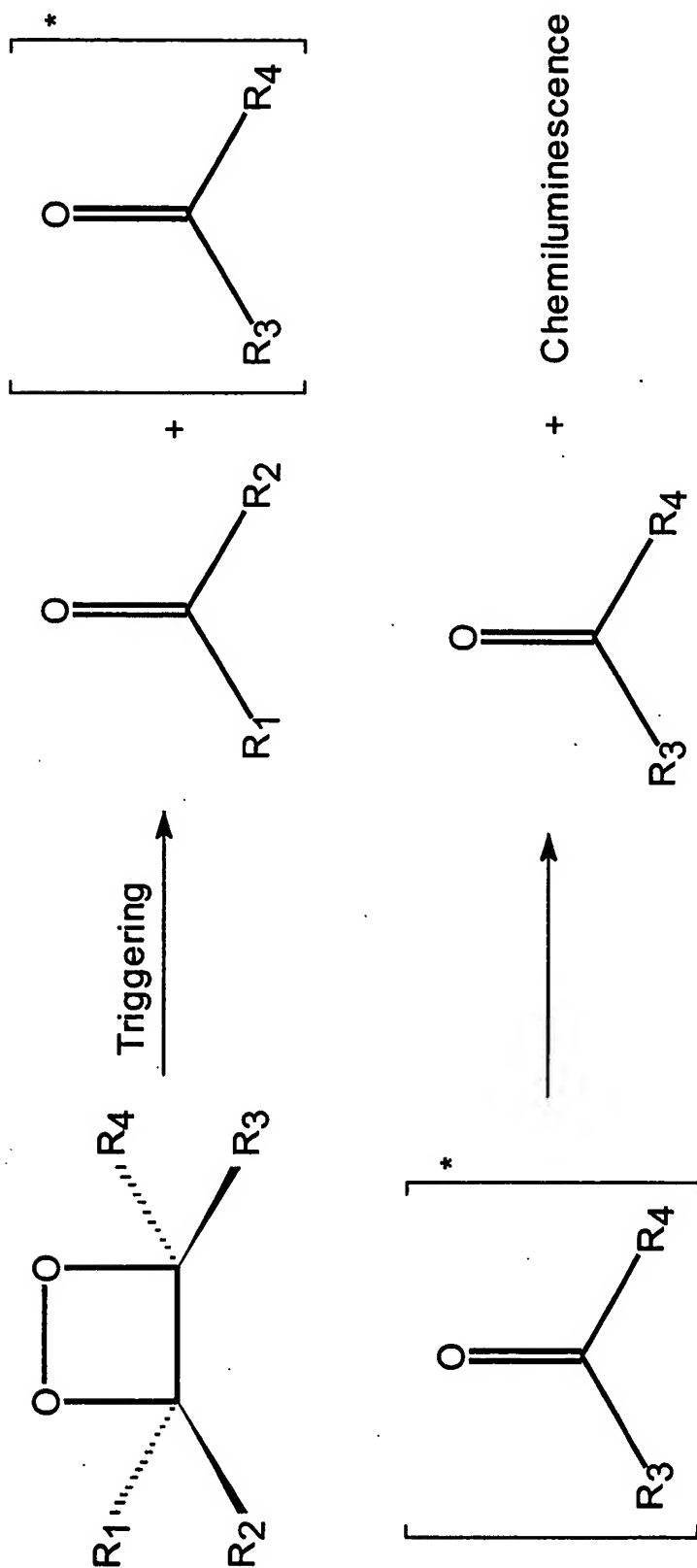
Reaction of Singlet Oxygen with Olefin to form Dioxetane



**FIG 2**

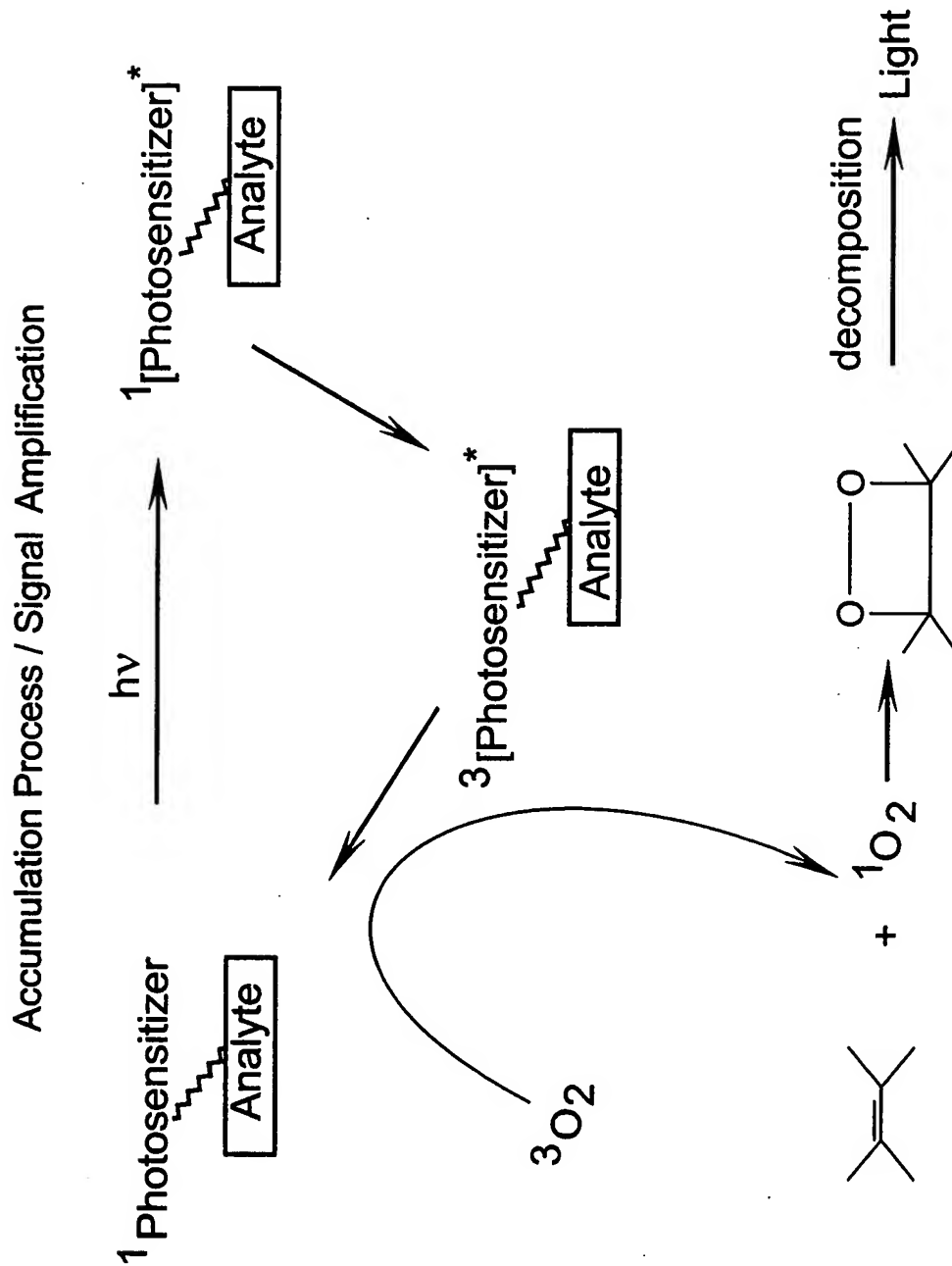
3/9

Triggering of Chemiluminescent Signal



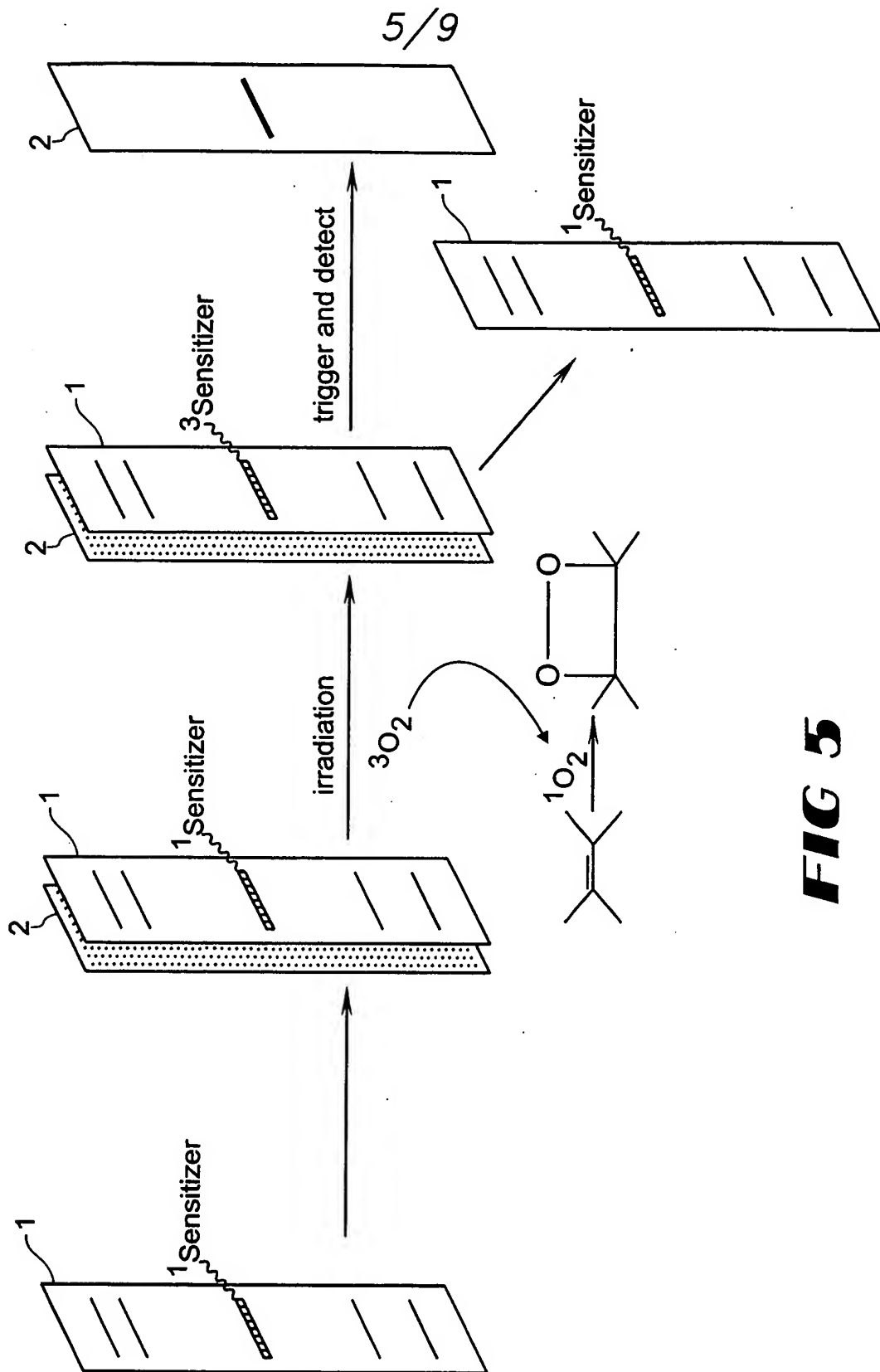
**FIG 3**

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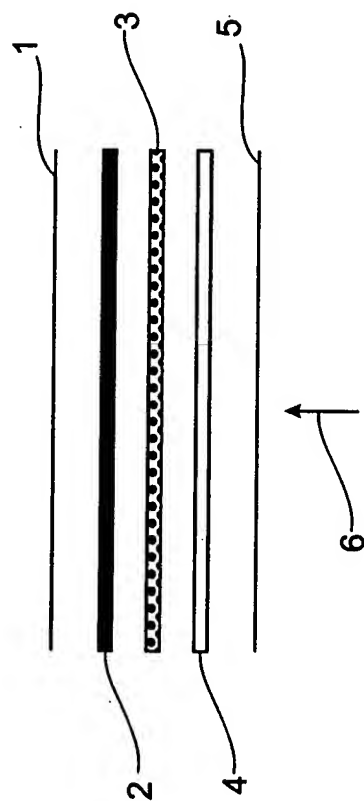
**FIG 4**

Nucleic Acid Detection on Membranes

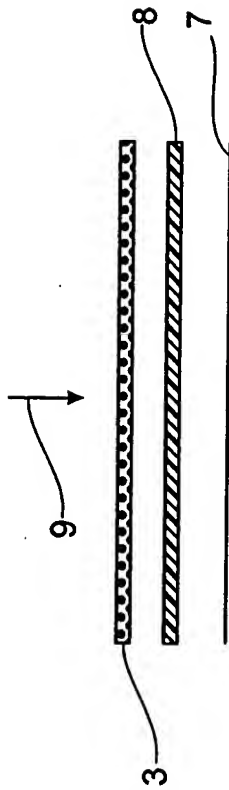


**FIG 5**

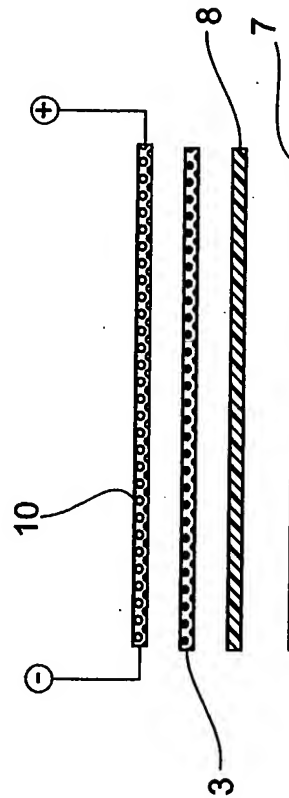
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**FIG 6A**

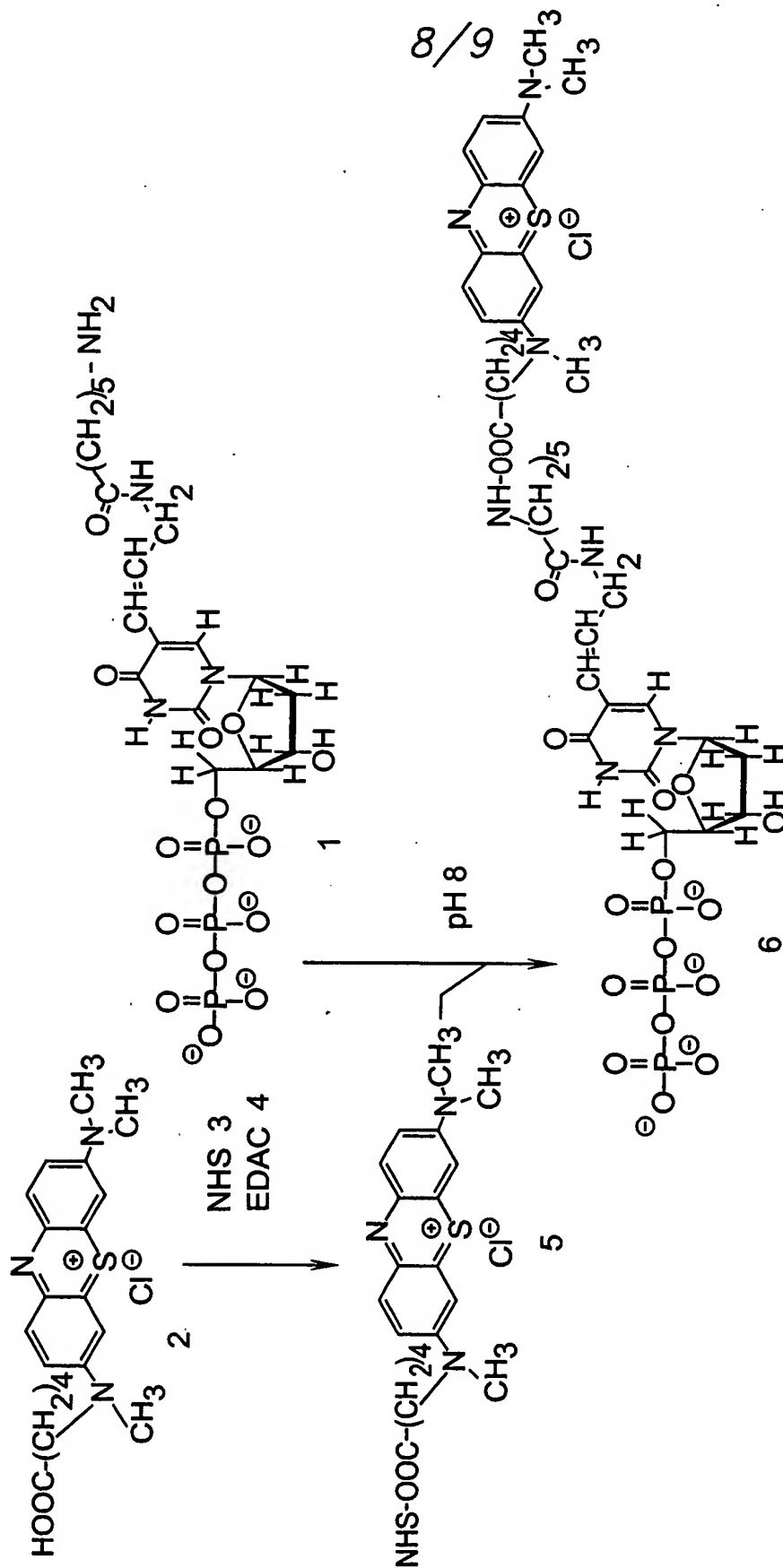


**FIG 6B**



**FIG 7**

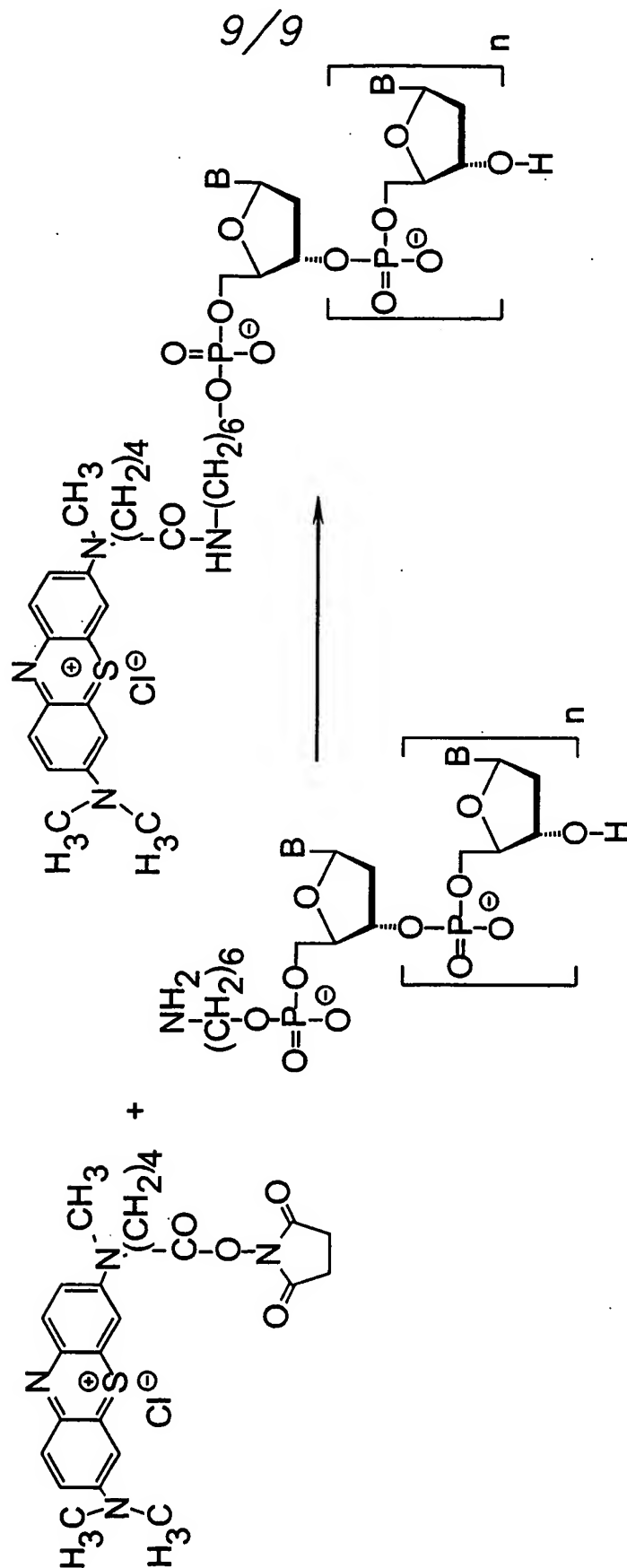
Synthesis of Sensitizer-labeled dUTP



**FIG 8**



5'-Labeling of Aminofunctionalized Nucleic Acid



**FIG 9**